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Slightly acidic stabilised aq. suspension herbicidal prepn. - contains sulphonium urea herbicidal cpd.

Patent Assignee: NISSAN CHEM IND LTD (NISC )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5105606	A	19930427	JP 91269564	A	19911017	199321 B
JP 3175850	B2	20010611	JP 91269564	A	19911017	200135

Priority Applications (No Type Date): JP 91269564 A 19911017

Patent Details:

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JP 5105606	A	5	A01N-047/28	
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Abstract (Basic): JP 5105606 A

Aq. suspension prepn. with a pH of under 6 contains a sulphonium urea herbicidal cpd.

Also claimed is an aq. suspension prepn., with a pH of under 6, contg. a powdery contg. a sulphonium urea herbicidal cpd., mineral micropowder, and paraffin wax solid at room temp., and surface activator.

Decomposition of sulphonium urea herbicidal cpd. decomposing by hydrolysis is prevented, which stabilises the active component of the aq. suspension during storage.

In an example, polyoxystyrene styrylphenyl ether (3.0 wt.%) was dissolved in 0.2 M NaH<sub>2</sub>PO<sub>4</sub> (13.0 wt.%) and 0.1 M citric acid (50.0 wt.%). Then, pyrazosulphuronethyl, herbicidally active component, (1.0 wt.%) crushed into microparticles (Seishin Kigyo KK) was added to the soln. The mixt. was then stir-mixed. Then, 1% aq. soln. of (25.0 wt.%) and propylene glycol (8.0 wt.%) were added to the mixt. The mixt. was stir-mixed. A prepn. of the aq. suspension herbicidal prepn. was obtd. (pH 3.1).

The prepn. was subjected to a maltreatment test at 40 deg.C for one month to study the residual rate for the active component pyrazosulphuronethyl with a result of 85% residual rate. Control aq. suspension prepn. (pH 6.3) prepd. with the same components except for 0.2 M NaH<sub>2</sub>PO<sub>4</sub> and 0.1 M citric acid that were replaced by distilled water was submitted to the same test: residual rate 58%.

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Derwent Class: A97; C03

International Patent Class (Main): A01N-047/28

International Patent Class (Additional): A01N-025/04; A01N-025/08

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Polishing material - contg powdered abrasive eg alumina suspended in glycol thickened with neutralised carboxypolymer

Patent Assignee: UNION CARBIDE CORP (UNIC )

Number of Countries: 005 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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